

## ABSTRACT

A blood pumping system for supplementing distal blood perfusion comprising a blood pressure altering device in the form of a blood pump (1) having an inlet (10) and an outlet (9) which also includes an upstream end (2) and a downstream end (4). The blood pressure altering device (1) cooperates with a circulatory system of a patient (15) to promote blood flow throughout at least one or more distal regions including limbs, a brain region of a patient by altering vascular blood pressure. The blood pressure altering device (1), when in use, is positioned in series with the normal blood flow of the circulatory system of a patient (15).